

Claims

1. A fitting for use in retaining a plurality of accessory members to a vertical structural unit which unit has a plurality of vertical sides wherein each side has a portion defining a side aperture; said fitting comprising a
 - 5 (i) body;
 - (ii) a body plate member attached to said body and so-shaped as to be cooperable with a said side of said structure and receivable in intimate engagement within said side aperture;
 - 10 (iii) attachment means by which said fitting is attachable to said structure and said body plate member is retained thereto receivable within side aperture by retaining means; and
 - (iv) said body having a portion defining at least one accessory-receiving means adapted to retain said accessory member to said body.
- 15 2. A fitting as defined in claim 1 wherein said body plate member is so-shaped as to be so receivable within said side aperture of said structural unit, and wherein said side aperture has an essentially circular shape, and has a plurality of inwardly protruding side portions, and wherein each of said side portions defines a bolt-receiving aperture.
- 20 3. A fitting as defined in claim 2 wherein said side aperture has a shape defined as an extended oval having a vertical axis length greater than its horizontal axis, and having four inwardly protruding symmetrically-opposed portions.
4. A fitting as defined in any one of claims 1 to 3 wherein said plate member is integrally formed with said body.
- 25 5. A fitting as defined in any one of claims 1 to 4 wherein said attachment means comprises a plurality of bolt-receiving apertures defined by portions of said body or said plate member, operably alignable with said bolt-receiving apertures of said side portion.
6. A fitting as defined in any one of claims 1 to 5 wherein said body has at least one protruding member having a portion defining an accessory bolt-receiving aperture.
- 30 7. A fitting as defined in claim 6 wherein said body has a plurality of said protruding members.
8. A fitting as defined in claim 7 wherein said body comprises
 - (a) a first protruding plate having a portion defining a first plate aperture;
 - (b) when said fitting is operably retained to said structure, a first horizontally protruding plate and a second horizontally protruding plate parallel to and at a distance from

5 said first horizontal protruding plate to define an interplate open channel; and wherein (i) said first horizontal protruding plate has a plurality of portions defining a plurality of apertures, and (ii) said second horizontal protruding plate has a portion defining at least one aperture, a proximal first side wing having a portion defining a first wing aperture and a distal second side wing having a portion defining a second wing aperture; and

(c) an interplate strengthening portion between said first and second horizontally protruding plates.

9. A fitting as defined in claim 8 wherein when said fitting is operably attached to said structure,

10 (i) said first protruding plate is a vertically protruding upper plate;

(ii) said first horizontally protruding plate is below said vertically protruding plate and above said second horizontally protruding plate; and

(iii) said proximal and distal wings are downwardly pointing.

10. A fitting as defined in claim 9 wherein said body further comprises a lower vertical plate member having a portion defining a vertical plate member aperture below said second horizontal plate.

11. A fitting as defined in any one of claims 1 to 10 of a unitary, integral form.

12. A fitting as defined in any one of claims 1 to 11 adapted to receive in fitting engagement by at least one of said apertures at least one accessory selected from the 20 group consisting of a guy rope, electrical insulator, dish and platform of use in a telecommunications tower, electricity pylon or like assembly.

13. A modular unit of use in a telecommunications tower, electricity pylon or like assembly comprising a four-sided rectangular box-like structure wherein each side has portions defining at least one side aperture, wherein said aperture has an essentially 25 circular shape and a plurality of inwardly protruding side portions and wherein each of said side portions defines a bolt-receiving aperture.

14. A modular unit as defined in claim 13, wherein said side aperture has a shape defined as an extended oval having a vertical axis greater than its horizontal axis when said unit is operably constructed in said tower, pylon or like structure and having four inwardly- 30 protruding symmetrically opposed side portions, and wherein each of said side portions define a bolt-receiving aperture.

15. A modular unit as defined in claim 13 or claim 14 having a width of 46 ± 1 cm, a breadth of 46 ± 1 cm and a length or height selected from 2.0-2.5 m.

16. A modular unit as defined in any one of claims 13 to 15 wherein each of said sides comprises two of said apertures.

17. A telecommunications tower, electricity pylon or like structure comprising

(i) a plurality of modular units as defined in any one of claims 13 to 16;

5 (ii) a plurality of fittings as defined in any one of claims 1 to 12, retained to said modular units; and

(iii) accessory members selected from the group consisting of guy ropes, insulators, dishes and platforms connected to said fittings.